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**Amendment to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A process for the production of a polymer(s) having a Mooney viscosity of at least 25 Mooney-units and a gel content of less than 15 wt.% comprising repeating units derived from at least one isoolefin monomer, more than 4.1 mol% of repeating units derived from at least one multiolefin monomer comprising mixing at least one isoolefin ~~monomers~~ monomer, at least one multiolefin monomer and optionally further copolymerizable monomers in the presence of  $AlCl_3$  and at least one proton source and/or cationogen capable of initiating the polymerization process and at least one multiolefin cross-linking agent,  
wherein the process is conducted in the absence of transition metal compounds and organic nitro compounds,  
wherein the process is continuous, and  
wherein the conversion level of the polymer is between 50% and 95%.
2. (Previously presented) A process according to Claim 1, wherein the polymer is produced at conversion levels ranging from 60 % to 95% and contains greater than 5 mol % of repeat units derived from a multiolefin and a gel content of less than 10 wt. %.
3. (Previously presented) A process according to Claim 1, wherein the polymer is produced at conversion levels ranging from 75 % to 95% and contains greater than 7 mol % of repeat units derived from a multiolefin and a gel content of less than 5 wt. %.
4. (Currently amended) A process according to Claim 1, wherein said at least one isoolefin monomer is isobutene.

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5. (Original) A process according to Claim 1, wherein the process is conducted in at least one continuous reactor having a volume between 0.1 m<sup>3</sup> and 100 m<sup>3</sup>.
6. (Original) A process according to Claim 1, wherein the process is conducted in a continuous reactor having a volume between 1 m<sup>3</sup> and 10 m<sup>3</sup>.
7. (Original) A process according to Claim 1, wherein the multiolefin is isoprene.
8. (Original) A process according to Claim 1, wherein said multiolefin crosslinking agent is divinylbenzene.
- 9-15. (Cancelled)